

SECRET

SECURITY INFORMATION

4 March 1953

MEMORANDUM FOR: CHIEF, PURCHASE DIVISION

SUBJECT: Request for Procurement of Bids for the
Manufacture of a Time Signal Radio

REFERENCES: (a) Requisition #TSS-1447-53 for Initiation of
Contract with [redacted] 50X1
(b) Memo dated 11 February 1953, associated with
reference (a).
(c) Discussion between [redacted] Civilian STAT
Purchase Branch and [redacted], C/TSS/APD, STAT
on 24 February 1953.

1. It is requested that the Purchase Division obtain competitive bids for the manufacture of a Time Signal Radio based on the attached specifications. The following are suggested manufacturers:

a.
b.
c.
d.

50X1

2. This request is to supercede the request made in the memorandum dated 11 February 1953, as it was decided by [redacted] in a meeting with [redacted] that competitive bids should be obtained. Therefore, it was decided that the bids should be based on a general specification instead of the circuit which was to be given to [redacted].

STAT
STAT50X1
50X1

3. This radio is to part of a kit which will be completed in 90 days, therefore, immediate attention to this matter will be appreciated.

STAT

C/TSS/APD

Attachment:
Specifications

Distribution:

Addressee - Orig. & 1
TSS/Re - 1
APD - 1
APD - Chrono
AAS/bw

DOCUMENT NO. _____
NO CHANGE IN CLASS. ☐
LP DECLASSIFIED
CLASS. CHANGED TO: TS S C 2011
NEXT REVIEW DATE: _____
AUTH: HR 70-2
DATE: 11/10/91 REVIEWER: 037,169

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GENERAL SPECIFICATIONS
FOR
TIME SIGNAL RADIO

I. PURPOSE:

This is to be a light compact subminiature AM receiver designed to listen to Station WWV for the purpose of obtaining time signals. It shall have the general physical, operating, and performance specifications outlined in the following paragraphs.

II. PHYSICAL SPECIFICATIONS:

The receiver, including battery, shall not exceed the following dimensions:

- a. Length - 6.5 in.
- b. Width - 3.0 in.
- c. Thickness - 1.0 in.
- d. Weight - 1.5 lbs.

III. OPERATING SPECIFICATIONS:

The receiver will be designed as to operate as follows:

- a. Receive on a frequency of 5 megacycles.
- b. Have a maximum deviation from RF resonance of ± 3 kilocycles due to temperature changes from 50°F - 100°F, or as a result of hand or body capacity.

IV. PERFORMANCE SPECIFICATIONS:

- a. Operating life - 10 hrs. per set of batteries
- b. Nominal Sensitivity - 1.0 microvolts input for a comfortable listening output to a pair of hearing-aid type earphones.
- c. Selectivity - 20 db. at 3 KC either side of RF signal input resonance, or IF resonance if a superheterodyne receiver is recommended. 40 db. depression at ± 10 KC.
- d. Signal/Noise Ratio - Signal On/Signal Off - 40 db. at nominal output.